

What is claimed is:

1. A controller for a photographing apparatus having a photographing portion with driving means that allows the photographing direction of photographing means to be varied, comprising:

5 displaying means for displaying a panorama picture generated with a picture photographed by the photographing means; and

10 controlling means for referencing the panorama picture and varying the photographing direction of the photographing means.

2. A controller for a photographing apparatus having a photographing portion with driving means that allows the photographing direction of photographing means to be varied, the controller comprising:

15 an operation area in which a panorama picture generated with a picture photographed by the photographing means is displayed; and

20 picture selecting means for allowing the user to designate a desired point in said operation area, selecting an object photographed by the photographing means corresponding to the designated point, and moving the selected object to desired positional coordinates
25 of the driving means.

3. A controller for a photographing apparatus

having a photographing portion with driving means that allows the photographing direction of photographing means to be varied, the controller comprising:

an operation area in which a panorama picture generated with a picture photographed by the photographing means is displayed; and

picture selecting means for allowing the user to designate a desired area in said operation area, selecting an object photographed by the photographing means corresponding to the designated area, and moving an object at the position corresponding to a desired point generated with the desired area to desired positional coordinates of the driving means.

4. The controller as set forth in claim 1, 2, or 3,

wherein the photographing portion is connected through a transmission line.

5. The controller as set forth in claim 1, 2, or 3,

wherein the current position of the driving means is displayed on the panorama picture.

6. The controller as set forth in claim 1, 2, or 3,

wherein the moving range of the driving means

is displayed on the panorama picture.

7. The controller as set forth in claim 1, 2, or 3,

5 wherein the angle of view of the photographing means is displayed on the panorama picture.

8. The controller as set forth in claim 2 or 3,
10 wherein said picture selecting means has a second operation area in which a current picture photographed by the photographing means is displayed, and

15 wherein an object at a designated position is moved to desired positional coordinates of the driving means in the second operation area.

9. The controller as set forth in claim 1, 2, or 3, further comprising:

20 commanding means for commanding the generation of the panorama picture.

10. A photographing system having a photographing portion with driving means that allows the
25 photographing direction of photographing means to be varied and a controller for a photographing apparatus, the controller controlling the photographing portion,

wherein the controller comprises:

an operation area in which a panorama picture generated with a picture photographed by the photographing means is displayed; and

5 picture selecting means for selecting an object photographed by the photographing means in said operation area and moving the selected object to desired positional coordinates of the driving means.

10 11. The photographing system as set forth in claim 10,

wherein the photographing portion and the photographing controller are connected through a transmission line.

15 12. The photographing system as set forth in claim 10, further comprising:

commanding means for commanding the generation of the panorama picture.

20 13. A method for controlling a photographing portion with driving means that allows the photographing direction of photographing means to be varied, comprising the steps of:

25 displaying a panorama picture generated with a picture photographed by the photographing means; and
referencing the panorama picture and varying

the photographing direction of the photographing means.

14. A method for controlling a photographing portion with driving means that allows the photographing direction of photographing means to be varied, comprising the steps of:

displaying a panorama picture generated with a picture photographed by the photographing means in an operation area;

designating a desired point in the operation area so as to select an object photographed by the photographing means; and

moving the selected object to desired positional coordinates of the driving means.

15. A method for controlling a photographing portion with driving means that allows the photographing direction of photographing means to be varied, comprising the steps of:

displaying a panorama picture generated with a picture photographed by the photographing means in an operation area;

designating a desired area in the operation area so as to select an object photographed by the photographing means; and

moving an object at the position corresponding to a desired point generated with the

desired area to desired positional coordinates of the driving means.

16. The method as set forth in claim 13, 14, or
5 15,

 wherein the controlling method is performed
 through a transmission line.

17. A method for controlling a photographing
10 portion with driving means that allows the
 photographing direction of photographing means to be
 varied, comprising the steps of:

 displaying a panorama picture generated with
 a picture photographed by the photographing means in a
15 first operation area;

 displaying a current picture photographed by
 the photographing means in a second operation area;

 designating a desired point in the second
 operation area so as to select an object photographed
20 by the photographing means; and

 moving the selected object to desired
 positional coordinate of the driving means.

18. A method for controlling a photographing
25 portion with driving means that allows the
 photographing direction of photographing means to be
 varied, comprising the steps of:

displaying a panorama picture generated with
a picture photographed by the photographing means in a
first operation area;

5 displaying a current picture photographed by
the photographing means in a second operation area;

designating a desired area in the second
operation area so as to select an object photographed
by the photographing means; and

10 moving an object at the position
corresponding to a desired point generated with the
desired area to desired positional coordinates of the
driving means.

19. The method as set forth in claim 13, 14, or
15, further comprising the step of:

commanding the generation of the panorama
picture.